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6. The device according to claim 1, wherein the device is arranged for analyzing or synthesizing substances supplying the microchip with at least some of the necessary substances for processing or analysis, wherein the interface element has channels for supplying the microchip with these substances.
7. The device according to claim 6, further including seals at the ends of the channels of the interface element for preventing the substances from exiting.
8. The device according to claim 1, wherein the interface element includes an electrically insulating substrate in which the electrodes and channels are embedded.
9. The device according to claim 8, wherein the substrate is a ceramic.
10. The device according to claim 8, wherein the substrate is a polymer.
11. The device according to claim 1, wherein the interface element and the supply unit are arranged and constructed so the interface is releasably attached to the supply unit.
12. The device according to claim 11, wherein the interface element includes a bayonet lock for releasably attaching the interface unit to the supply unit.
13. The device according to claim 1, wherein the interface element and the supply unit respectively include a first coding element for identifying the interface element, a second coding element on at least one of the supply units and the microchip, the first and second coding elements corresponding with each other and interacting with each other.

14. The device according to claim 1, wherein the microchip is in a first assembly, and the supply unit as well as the interface element are in a module, a second assembly, the module and second assembly being arranged and constructed so the module is releasably connected to the second assembly.

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15. The device according to claim 14, further including a magnet/Hall sensor pair, the second assembly including elements mounted on the module, and an output device responsive to a Hall sensor of the magnet/Hall sensor pair.

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16. The device according to claim 15, wherein the output device includes a shut-off for the device for operating the laboratory microchip.

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17. The device according to claim 15, wherein the output device includes a warning device.